

(d) one or more motors to move the payload platform in response to the sensor means to sense motion,

(e) a painting tool which is stabilized by the payload platform,

(f) the painting tool is controlled by at least one of a person, or a computer to paint areas of the target, and

(g) the painting tool, which is stabilized, applies paint evenly to the target areas to be painted.

**Claim 38:** (Currently amended.))

The stabilized buoy platform of Claim 37 wherein ~~the stabilizing head stabilizes in three axes of pitch, roll and azimuth.~~ a person is stabilized by a stabilizing platform.

**Claim 39:** (Currently amended)

The stabilized buoy platform of Claim 37 comprising a propulsion unit to move the buoy to various locations ~~to accomplish the physical operation or task~~ .

**Claim 40:** (Previously canceled)

**Claim 41:** (Previously canceled)

**Claim 42:** (Previously canceled)

**Claim 43:** (Currently amended)

The stabilized buoy platform of Claim 37 wherein the paint gun sensor is operated by at least one of remote control or autonomously.

**Claim 44 – 46:** (Canceled)

**Claim 47:** (Currently amended)

The stabilized buoy platform of Claim 37 wherein a computer that is stationed on the buoy platform, interprets camera or sensor imagery to determine non painted areas or

areas where paint needs to be applied, and identifies an object or tracks its path of motion.

**Claim 48:** (Canceled)

**Claim 49:** (Currently amended)

~~A stabilized buoy platform comprising~~

~~(a) a buoy;~~

~~b) at least one stabilizing head is mounted to the buoy;~~

~~(c) an extension arm extending downward into the water, and~~

~~(d) at least one device which includes a sensor which is mounted on the extension arm, wherein;~~

~~(e) the device is stabilized in the water in one or more axes of pitch, roll and azimuth by a stabilization system comprised by at least one sensor sensing motion of the platform or the device, and a motor stabilizing at least one of the extension arm or the device.~~

A stabilized buoy platform comprising:

(a) a floating platform

(b) at least one stabilizing payload platform is mounted to the buoy;

(c) an extension arm fixed to, or comprising the payload platform and extending downward into the water, and

(d) at least one sensor, for sensing below water, is fixed to the extension arm, and

(e) at least one of a sensor above the water is stabilized for sensing a target, or the sensor for sensing below water is stabilized.

**Claim 50:** (Currently amended)

The stabilized buoy platform of claim 49 comprising at least two devices, ~~which include at least one of a sensor and~~

(a) at least one of the devices is attached above the water and at least one of the devices is attached below the water, and

(b) both devices are stabilized.

**Claim 51: (Canceled)**

**Claim 52: (Currently amended)**

The method of stabilizing a payload on a buoy and undertaking a physical operation or task comprising the steps of;

- (a) mounting at least one stabilizing platform head on a buoy,
- (b) mounting at least two devices on the buoy which include at least one of a sensor for sensing a target,
- (c) mounting at least one of the devices on the stabilizing payload platform head, and
- (d) using at least one sensor that senses motion of the buoy, and
- (e) at least one motor which stabilizes the payload platform in response to information from the sensor that senses motion of the buoy, and
- (f) the stabilized platform is undertaking a physical operation or task which includes at least one of painting, drilling, welding, sand blasting, fire extinguishing, spraying or pumping, ~~or illuminating, and~~
- ~~(e) stabilizing the sensor in at least two axes, including azimuth, relative to the object that it is performing a task upon .~~

**Claim 53: (Previously presented)**

The method of claim 52 and the step of mounting a propulsion unit to the buoy platform for moving the buoy on the water.

**Claim 54: (Currently amended)**

~~The method of claim 53 including the step of;~~

~~the buoy platform moving to different locations using its propulsion system and initiating physical operations.~~

The method of claim 49 including the step of;

using species of sensors and tools, applicable in surveillance, security, protection and tasks where tools need to be stabilized to perform their intended functions in the presence of motion of a buoy platform.

**Claim 55 - 57: (Canceled)**

**Claim 58:** (Currently amended)

The method of claim 52 where by remote control, the stabilized buoy platform is performing at least one of the tasks ~~of firefighting, painting, drilling, welding or sandblasting~~ .

**Claim 59:** (Currently amended)

The method of claim 52 where by autonomous means, the stabilized buoy platform is performing at least one of the tasks ~~of firefighting, painting, drilling, welding or sandblasting~~ .

**Claim 60:** (Previously amended).

The method of claim 52 wherein the sensor is stabilized in at least two axis which include the azimuth axis, and  
the buoy has motorized propulsion allowing it to move to different locations using its location reference sensor, and initiate physical operations using equipment onboard the buoy.

**Claim 61:** (Previously canceled)

**Claim 62** (Currently amended)

~~The method of fighting a fire comprising;~~

- ~~(a) mounting at least one stabilizing platform head on a buoy or moving platform,~~
- ~~(b) mounting a device including at least one camera or sensor to be stabilized, on the payload platform of the stabilizing head,~~
- ~~(c) stabilizing at least one of the sensor(s) or tool(s) mounted on the stabilizing head, wherein the sensor senses motion, and a motor, in response to information from the sensor, stabilizes the payload platform in at least one or more axes,~~
- ~~and~~
- ~~(d) the tool stabilized platform performs firefighting.~~

The method of fighting a fire comprising;

- (a) mounting on floating platform at least one stabilizing platform upon which is mounted fire fighting apparatus that is being stabilized, and
- (b) mounting at least one of a camera or a sensor for sensing heat or fire on the floating platform, and
- (c) mounting a computer on the floating platform, and
- (d) using the information from the camera or the sensor sensing heat or fire to aim the fire fighting apparatus to fight the fire.

**Claim 63:** (Previously presented)

The method of claim 62 comprising a propulsion unit for moving the floating platform to various locations.

**Claim 64:** (Currently amended)

~~The method of claim 63 wherein the buoy platform can be controlled by at least one of remote control or autonomously.~~

The method of claim 63 including the step wherein the buoy platform is controlled by at least one of remote control or autonomously.

**Claim 65 – 68** (Canceled)

**Claim 69:** (Currently amended)

The stabilized buoy platform of Claim 37 which paints autonomously at least one of a vessel, ship, a wharf, a pier, or pilings.

**Claim 70 - 71:** (Canceled)

**Claim 72:** (Previously presented)

The stabilized buoy platform of Claim 37 which incorporates at least one of a GPS or magnetometer for location reference.

**Claim 73:** (Previously presented)

The stabilized buoy platform of claim 49 further comprising an actuating mechanism projecting downward to compensate for the rise and fall of the buoy platform to keep a sensor or device a fixed level below the surface of the water to the extent allowed by the actuating mechanism.

**Claim 74:** (Previously presented)

The stabilized buoy platform of claim 49 comprising a propulsion unit to move the buoy to various locations.

**Claim 75:** (Previously presented)

The stabilized buoy platform of claim 49 which is be controlled by at least one of remote control or autonomously.

**Claim 76 - 78** (Canceled)

**Claim 79:** (Previously presented)

The stabilized buoy platform of claim 37 wherein the stabilized buoy platform has motorized propulsion, and  
a location reference sensor, and  
the stabilized buoy platform uses its motorized propulsion to maintain position.

**Claim 80 – 82:** (Canceled)

**Claim 83:** (New)

A buoy platform comprising;

(a) a floating platform positioned in relation to a target,

(b) a payload platform fixed to the floating platform and stabilized using sensor means to sense motion, and

(c) a further sensor means to sense the target,

(d) one or more motors to move the payload platform in response to the sensor means to sense motion, and

(e) fixed to the payload platform is at least one of a variety of tools which are able to undertake physical operations that need to be stabilized from motion of the floating platform to perform their intended function.

**Claim 84: (New)**

The buoy platform of claim 83 wherein a person is stabilized by a stabilizing platform.

**Claim 85: (New)**

The buoy platform of claim 83 comprising a propulsion unit to move the buoy to various locations.

**Claim 86: (New)**

The buoy platform of claim 83 wherein a computer stationed on the buoy platform interprets camera or sensor imagery, identifies a target, and the computer sends signals which control at least one payload platform to track the target.

**Claim 87: (New)**

The buoy platform of claim 83 is operated by at least one of remote control or autonomously.

**Claim 88: (New)**

The buoy platform of claim 83 wherein the distance of the tool above the water can be varied by components such as a jack screw.

**Claim 89: (New)**

The buoy platform of claim 83 wherein fixed to the payload platform is at least one of the species of objects and tools applicable in surveillance, security, protection and tasks where tools need to be stabilized from motion of the floating platform to perform their intended functions.

**END OF LISTING OF CLAIMS**